

Technical Data Sheet

V.07-2019

Walk-on Flatglass Rooflights

- ▶ A safe, modern and attractive daylighting solution for roof terraces, enabling the enhancement of both outdoor and indoor living spaces

Key Features & Benefits

- ▶ 15 year warranty*
- ▶ External and Internal Walk-on rooflight options
- ▶ Contemporary, minimalist framework design
- ▶ Black (RAL 9005) painted border as standard (other painted border colours available)
- ▶ Ideal solution for introducing more natural daylight into basements and cellars
- ▶ Excellent thermal performance, achieving system U-values as low as 0.9 W/m².K with super Low-E coatings and specialist glass
- ▶ Quick and easy to install on-site
- ▶ More daylight = less artificial light = energy savings
- ▶ BIM Objects
- ▶ NBS Specification document
- ▶ Product CAD drawings
- ▶ Install guides
- ▶ Integral blind
- ▶ More daylight leads to enhanced well-being

Frame Specification

- ▶ The Fixed Flatglass rooflight frame is manufactured from extruded aluminium section to BS 1474, EN 12020-1:2001
- ▶ Polyamide thermal break to BS EN ISO 16396-2:2017 within the glazing frame makes it fully thermally-broken and extremely thermally-efficient
 - ▶ Polyester Powder Coated Aluminium to BS EN 12206-1:2004
 - ▶ RAL Colour: Anthracite Grey (RAL 7016) frames
 - ▶ White (RAL 9010) and Black (RAL 9005) frames are also available as standard options
 - ▶ Bespoke RAL colour options available

Glass Specification

Double Glazed:

- Outer: 33mm, 39mm or 48mm clear toughened and laminated safety glass with painted border
- Cavity: 16mm Argon filled with Swisspacer warm edge spacer silicone bonded for a UV resistant edge seal
- Inner: 6mm clear toughened or 13.5mm clear heat strengthened laminated safety glass
- Surface Etching available to provide slip-resistance to BS 7976-2
- Designed to CWCT Class 0 (BS EN 1991-1-1: Actions on Structures)

Product Testing & Certification

- ▶ Weathertightness: CWCT Class A4 Air leakage, Resistance to Wind Class E2400 Pa and Watertightness Class R7
- ▶ Non-fragility: CWCT Class 0 compliant rooflights
- ▶ AA Fire-rated: AA Designation (National Class) or Broof (T4) European Class and Euro Class A 1 non-combustible

Critical Kerb External Dimensions (Standard Glass Specification)

Single Pane Walk-on rooflights:

- Min. Kerb Height: 150mm (at the eaves end - External Walk-on)
- Min. Kerb Thickness: 75mm (excluding finishes - External Walk-on)
- Min. End Bearing: 50mm (Internal Walk-on)
- Max. Size: 2500mm x 3200mm (dependent on glass specification)
- Min. Size: 400mm x 400mm
- Min. Pitch: 0°

Bespoke Glass Options

- ▶ Privacy Glass
- ▶ Body Tinted
- ▶ Acoustic Laminate
- ▶ Easy-clean Coatings (Ritec)
- ▶ Solar Control PVB
- ▶ Integral Blind
- ▶ Slip resistant coating range
- ▶ Triple Glazed and Laminated Inner pane options

British Standards Compliance

- BS 6375-1: 2015+A1:2016 Weathertightness
- BS EN 1026:2016 Air Permeability
- BS EN 1027: 2016 Watertightness
- BS EN 12211: 2016 Wind Resistance
- BS EN 12206-1:2004: Polyester Powder Coating

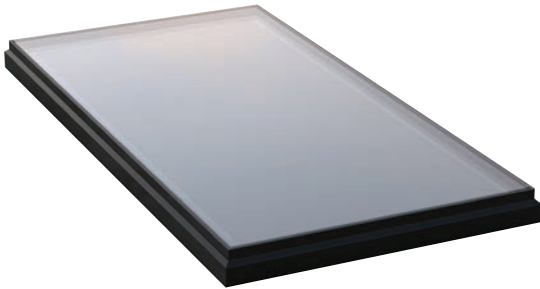
Rooflight Performance

- Building Regulations (E&W) Approved Document L compliant design to achieve low U-values
- U-values: As low as 0.9 W/m².K
- G-values: As low as 0.33
- Light Transmission: Up to 71%



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Loading Options

Residential specification glazing:
for up to 1.5kN/m² distributed and 2.0kN concentrated loads
Commercial specification glazing:
for up to 4.0kN/m² distributed and 3.6kN concentrated loads
Heavy Commercial specification glazing:
for up to 5.0kN/m² distributed and 4.5kN concentrated loads
Other load states to be agreed

Design Loadings

EN 1991-1-1 Categories: A1, D2, C34

Product Weight:

Min. 120 kg/m² (External Walk-on)

Min. 85 kg/m² (Internal Walk-on)

Product Variations

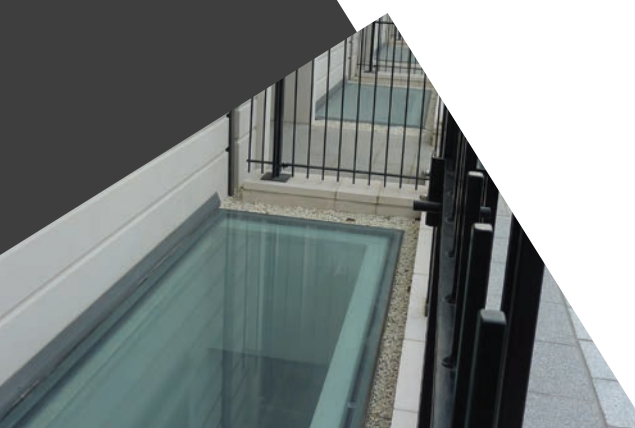
- ▶ Multi-pane Walk-on rooflights with silicone jointed glazing for a flush outer surface (see Multi-section Flatglass data sheet or the Roofglaze website for more details)
 - ▶ Circular, elliptical and bespoke shaped rooflights available
 - ▶ Head Abutments
 - ▶ Verge Abutments
 - ▶ Head and Verge Abutments up to three sides
 - ▶ Multi pane

Rooflight Cleaning & Maintenance

All of our Flatglass rooflights can be supplied with an easyclean coating, the **Ritec ClearShield** system provides an efficient solution to greatly reduce the need for cleaning.

'Non-stick', easy-clean rooflight protection provides:

- ▶ Reduced cleaning time, effort and frequency
- ▶ Keeps rooflights looking like new, staying cleaner for significantly longer
- ▶ Resists glass staining and contamination from tree sap, bird droppings, traffic pollution and general dirt
- ▶ Helps to maintain Window Energy Ratings



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Helping daylight do its work!

